

CLAIMS

- Fig 1*
1. A parking lock state releasing apparatus for a vehicle with a transmission control device, wherein the transmission control device has a shifting body and detects an operating state of the shifting body, wherein the transmission control device shifts a connecting state of a transmission based on the detection result, the apparatus comprising:
    - a releasing switch, which is located in a passenger compartment; and
    - a releasing means, wherein the releasing means generates gas by causing ignition in response to operation of the releasing switch and changes the parking lock state of the transmission to the release state using the pressure of the gas.
  2. The parking lock state releasing apparatus according to claim 1, further comprising an actuation permitting means, wherein the actuation permitting means permits or prohibits actuation of the releasing means in response to the operation of the releasing switch.
  3. A parking lock state releasing apparatus for a vehicle with a transmission control device, wherein the transmission control device has a shifting body and detects an operating state of the shifting body, wherein the transmission control device shifts a connecting state of a transmission based on the detection result, the apparatus comprising:
    - a parking lock member, which is located in the transmission, wherein the parking lock member mechanically locks wheels of the vehicle by means of the transmission;
    - a releasing switch, which is located in a passenger compartment; and
    - an ignition drive device, wherein the ignition drive device generates gas by causing ignition in response to

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operation of the releasing switch;

wherein the parking lock state of the transmission is changed to the release state by actuating the parking lock member using the pressure of the gas in the ignition drive device.

4. The parking lock state releasing apparatus according to claim 3, wherein the ignition drive device includes a gas generating device for generating gas and a piston driven by the pressure of the gas, and the parking lock member is actuated in accordance with driving of the piston.

5. The parking lock state releasing apparatus according to claim 3, wherein a parking brake lever is located in the passenger compartment, and the releasing switch is located in the vicinity of the parking brake lever and the shifting body.

6. The parking lock state releasing apparatus according to claim 3, wherein the ignition drive device includes a driver circuit, and the driver circuit supplies power to the gas generating device to actuate the gas generating device.

7. The parking lock state releasing apparatus according to claim 6, wherein the driver circuit includes an electrolytic capacitor, and the electrolytic capacitor supplies the power to the gas generating device.

8. A parking lock state releasing apparatus for a vehicle with a transmission control device, wherein the transmission control device has a shifting body and detects an operating state of the shifting body, wherein the transmission control device shifts a connecting state of a transmission based on the detection result, the apparatus comprising:

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a parking lock member, which is located in the transmission, wherein the parking lock member mechanically locks wheels of the vehicle by means of the transmission; and

5 a power transmitting member, wherein the power transmitting member has a proximal end connected to the parking lock member of the transmission and a distal end connectible to a conventional movable member provided in the vehicle;

10 wherein the power transmitting member is driven in response to operation of the movable member, and the parking lock state of the transmission is changed to the release state in accordance with the driving of the power transmitting member.

15 9. The parking lock state releasing apparatus according to claim 8, wherein the distal end of the power transmitting member is connected to a foot pedal or a parking brake lever or a door that are located at a driver seat, and the power transmitting member is driven by force for operating  
20 a corresponding one of the foot pedal or the parking brake lever or the door.

25 10. A parking lock state releasing apparatus for a vehicle with a transmission control device, wherein the transmission control device has a shifting body and detects an operating state of the shifting body, wherein the transmission control device shifts a connecting state of a transmission based on the detection result, the apparatus comprising:

30 a parking lock member, which is located in the transmission, wherein the parking lock member mechanically locks wheels of the vehicle by means of the transmission; and  
a power transmitting member, wherein the power transmitting member has a proximal end connected to the parking lock member of the transmission and a distal end  
35 connectible to a movable member provided in the vehicle;

wherein operation force of the movable member is amplified by a lever effect when the movable member is operated, the power transmitting member is driven by the amplified force, and the parking lock state of the transmission is changed to the release state by the power transmitting member.

11. The parking lock state releasing apparatus according to claim 10, wherein the distal end of the power transmitting member is connected to a foot pedal or a parking brake lever or a door that are located at a driver seat, and the power transmitting member is driven by force for operating a corresponding one of the foot pedal or the parking brake lever or the door.

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